

Application No.: 10/714,337

Docket No.: JCLA9898

**In The Claims:**

This listing of claims will replace all prior versions of claims in the application.

**Claims 1-10 (Cancelled)**

11. (Original) A method for correcting laser power by simulating a recording process, used for a optical disk drive system, said optical disk drive system in response to an operational control signal and an operational power parameter controlling an optical pick-up head to generate laser beams with a laser power, said method comprising:

setting said operational power parameter;

causing said operational control signal to be the same as an operational control signal for an actual disk recording process;

transferring said laser beams to a signal, sampling and holding said signal to obtain a sample holding signal;

obtaining said laser power based on said sample holding signal; and

changing said operational power parameter and repeating the above steps to obtain another said laser power.

12. (Original) The method of claim 11, further comprising:

applying a curve fit method to obtain a curve representing a relationship between said operational power parameter and said laser power based on said operational power parameters and said laser powers.

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13. (Original) The method of claim 11, further comprising:

defocusing said optical pick-up head before transferring said laser beams.

14. (Original) The method of claim 13, wherein said defocusing step is performed by rotating said optical pick-up head such that the focus of said optical pick-up head is not located on the tested disk.

15. (Original) The method of claim 13, wherein said defocusing step is performed by changing the distance between said optical pick-up head and a tested disk such that the focus of said optical pick-up head is not located on the tested disk.

16. (Original) The method of claim 13, wherein said defocusing step is performed by moving said optical pick-up head to a side of a focus.

17. (Original) The method of claim 13, wherein said defocusing step is performed by removing said optical pick-up head from a focus.